UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SERVICE
National Geodetic Survey
Silver Spring, Maryland 20910-3282

March 12, 2002

EJ-279
X-B

Ms. Victoria J. Rutson
Acting Chief, Section of
Environmental Analysis
Surface Transportation Board
1925 K Street, N.W.
Washington, D.C. 20423-0001

Dear Ms. Rutson:

The area in question on the map that is part of a letter dated March 4, 2002 (enclosed), for the proposed abandonment of 16.47 miles of CSX Transportation rail line from ONC 384.0 to ONJ 400.47, Cain Creek Branch, in Jefferson County, Alabama, STB Docket No. Not Stated, has been reviewed within the scope of National Geodetic Survey (NGS) responsibility and expertise and in terms of the impact of the proposed actions on NGS activities and projects.

As a result of this review, three geodetic station markers, 2 ST 85 USE, P 164, and 390, have been identified that may be affected by the proposed abandonment; data sheets for these markers are enclosed. If there are any planned activities which could disturb or destroy these markers, NGS requires not less than 90 days' notification in advance of such activities in order to plan for their relocation.

If further information is needed for these geodetic station markers, my address is NOAA, N/NGS2, Room 8813, 1315 East-West Highway, Silver Spring, Maryland 20910-3282, telephone: 301-713-3191, fax: 301-713-4324, e-mail: Ed.McKay@noaa.gov.

Sincerely,

Edward J. McKay

Edward J. McKay
Chief, Spatial Reference
System Division

Enclosures

cc: S. Lemmon - CSXT

The NGS Data Sheet

See file dsdata.txt for more information about the datasheet.

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DATABASE = Sybase ,PROGRAM = datasheet, VERSION = 6.58
1         National Geodetic Survey,   Retrieval Date = MARCH 12, 2002
 DH1098 ***********************************************************************
 DH1098  DESIGNATION -  2 ST 85 USE
 DH1098  PID         -  DH1098
 DH1098  STATE/COUNTY-  AL/JEFFERSON
 DH1098  USGS QUAD   -  BIRMINGHAM NORTH (1978)
 DH1098
 DH1098                          *CURRENT SURVEY CONTROL
 DH1098 ______________________________________________________________________
 DH1098* NAD 83(1986)-  33 36 56.      (N)     086 47 03.      (W)      SCALED
 DH1098* NAVD 88     -       172.131   (meters)      564.73    (feet)   ADJUSTED
 DH1098 ______________________________________________________________________
 DH1098  GEOID HEIGHT-          -29.05  (meters)                         GEOID99
 DH1098  DYNAMIC HT  -          171.941 (meters)      564.11    (feet)   COMP
 DH1098  MODELED GRAV-      979,530.9   (mgal)                           NAVD 88
 DH1098
 DH1098  VERT ORDER  -  FIRST     CLASS II
 DH1098
 DH1098.The horizontal coordinates were scaled from a topographic map and have
 DH1098.an estimated accuracy of +/- 6 seconds.
 DH1098
 DH1098.The orthometric height was determined by differential leveling
 DH1098.and adjusted by the National Geodetic Survey in June 1991.
 DH1098.WARNING-Repeat measurements at this control monument indicate possible
 DH1098.vertical movement.
 DH1098
 DH1098.The geoid height was determined by GEOID99.
 DH1098
 DH1098.The dynamic height is computed by dividing the NAVD 88
 DH1098.geopotential number by the normal gravity value computed on the
 DH1098.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 DH1098.degrees latitude (g = 980.6199 gals.).
 DH1098
 DH1098.The modeled gravity was interpolated from observed gravity values.
 DH1098
 DH1098;                    North         East     Units  Estimated Accuracy
 DH1098;SPC AL W     -   401,110.      666,430.      MT  (+/- 180 meters Scaled)
 DH1098
 DH1098                          SUPERSEDED SURVEY CONTROL
 DH1098
 DH1098  NGVD 29     -       172.094  (m)           564.61    (f) ADJ UNCH    1 2
 DH1098
 DH1098.Superseded values are not recommended for survey control.
 DH1098.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 DH1098.See file dsdata.txt to determine how the superseded data were derived.
 DH1098
 DH1098_MARKER: DD = SURVEY DISK
 DH1098_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
 DH1098_STAMPING: 2-ST-85 1938
 DH1098_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
 DH1098+STABILITY: SURFACE MOTION
 DH1098
 DH1098  HISTORY     - Date     Condition        Report By
 DH1098  HISTORY     - 1938     MONUMENTED       USE
 DH1098  HISTORY     - 1944     GOOD             NGS
 DH1098  HISTORY     - 1982     MARK NOT FOUND   NGS
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DH1098
DH1098 STATION DESCRIPTION
DH1098
DH1098'DESCRIBED BY NATIONAL GEODETIC SURVEY 1944
DH1098'IN BLACK CREEK.
DH1098'AT BLACK CREEK ALONG THE LOUISVILLE AND NASHVILLE RAILROAD. ABOUT 400
DH1098'FEET NORTH OF THE CONTROL TOWER, ABOUT 150 FEET SOUTH OF A HIGHWAY
DH1098'OVERPASS 52.0 FEET NORTH OF AN AUTOMATIC SIGNAL TOWER, 28 FEET WEST OF
DH1098'AND ABOUT 1.0 FOOT BELOW THE CENTER LINE OF THE SOUTH-BOUND TRACK, AND
DH1098'1.5 FEET SOUTH OF A 4 X 4-INCH REFERENCE POST.
DH1098
DH1098 STATION RECOVERY (1982)
DH1098
DH1098'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1982
DH1098'NOT RECOVERED, POSSIBLY TAKEN OUT BY RAILROAD RECONSTRUCTION.

*** retrieval complete.
Elapsed Time = 00:00:02

The NGS Data Sheet

See file dsdata.txt for more information about the datasheet.

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DATABASE = Sybase ,PROGRAM = datasheet, VERSION = 6.58
1         National Geodetic Survey,   Retrieval Date = MARCH 12, 2002
 DH1097 ***********************************************************************
 DH1097  DESIGNATION -  P 164
 DH1097  PID         -  DH1097
 DH1097  STATE/COUNTY-  AL/JEFFERSON
 DH1097  USGS QUAD   -  BIRMINGHAM NORTH (1978)
 DH1097
 DH1097                          *CURRENT SURVEY CONTROL
 DH1097
 DH1097* NAD 83(1986)-  33 36 56.      (N)     086 47 05.      (W)      SCALED
 DH1097* NAVD 88     -       173.369   (meters)      568.79    (feet)   ADJUSTED
 DH1097
 DH1097  GEOID HEIGHT-          -29.05  (meters)                         GEOID99
 DH1097  DYNAMIC HT  -          173.178 (meters)      568.17    (feet)   COMP
 DH1097  MODELED GRAV-      979,531.0   (mgal)                           NAVD 88
 DH1097
 DH1097  VERT ORDER  -  FIRST     CLASS II
 DH1097
 DH1097.The horizontal coordinates were scaled from a topographic map and have
 DH1097.an estimated accuracy of +/- 6 seconds.
 DH1097
 DH1097.The orthometric height was determined by differential leveling
 DH1097.and adjusted by the National Geodetic Survey in June 1991.
 DH1097.WARNING-Repeat measurements at this control monument indicate possible
 DH1097.vertical movement.
 DH1097
 DH1097.The geoid height was determined by GEOID99.
 DH1097
 DH1097.The dynamic height is computed by dividing the NAVD 88
 DH1097.geopotential number by the normal gravity value computed on the
 DH1097.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 DH1097.degrees latitude (g = 980.6199 gals.).
 DH1097
 DH1097.The modeled gravity was interpolated from observed gravity values.
 DH1097
 DH1097;                     North         East     Units  Estimated Accuracy
 DH1097;SPC AL W      -   401,110.      666,370.      MT  (+/- 180 meters Scaled)
 DH1097
 DH1097                           SUPERSEDED SURVEY CONTROL
 DH1097
 DH1097.No superseded survey control is available for this station.
 DH1097
 DH1097_MARKER: DB = BENCH MARK DISK
 DH1097_SETTING: 36 = PIER
 DH1097_STAMPING: P 164 1944
 DH1097_MARK LOGO: CGS
 DH1097_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL
 DH1097
 DH1097  HISTORY      - Date      Condition         Report By
 DH1097  HISTORY      - 1944      MONUMENTED        CGS
 DH1097  HISTORY      - 1947      GOOD              NGS
 DH1097  HISTORY      - 1982      GOOD              NGS
 DH1097
 DH1097                            STATION DESCRIPTION
 DH1097
 DH1097'DESCRIBED BY COAST AND GEODETIC SURVEY 1944
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DH1097'IN BLACK CREEK.
DH1097'A BLACK CREEK ALONG THE LOUISVILLE AND NASHVILLE RAILROAD. ABOUT 0.1
DH1097'MILE NORTH OF THE CONTROL TOWER, 11.2 FEET EAST OF AND ABOUT 3.0 FEET
DH1097'ABOVE THE CENTER LINE OF EAST TRACK, AND SET VERTICALLY IN THE SOUTH
DH1097'END OF THE EAST PIER OF A HIGHWAY OVERPASS.
DH1097
DH1097 STATION RECOVERY (1947)
DH1097
DH1097'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1947
DH1097'RECOVERED IN GOOD CONDITION.
DH1097
DH1097 STATION RECOVERY (1982)
DH1097
DH1097'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1982
DH1097'RECOVERED IN GOOD CONDITION. NOTE, ACCESSIBLE BY GRAVEL ROAD ALONG
DH1097'THE SOUTHWEST SIDE OF THE RAILROAD TRACKS.

*** retrieval complete.
Elapsed Time = 00:00:03

The NGS Data Sheet

See file dsdata.txt for more information about the datasheet.

DATABASE = Sybase ,PROGRAM = datasheet, VERSION = 6.58

1 National Geodetic Survey, Retrieval Date = MARCH 12, 2002

DH1319 **********

DH1319 DESIGNATION - 390
DH1319 PID - DH1319
DH1319 STATE/COUNTY- AL/JEFFERSON
DH1319 USGS QUAD - BROOKSIDE (1986)
DH1319
DH1319 *CURRENT SURVEY CONTROL
DH1319
DH1319* NAD 83(1986)- 33 40 38. (N) 086 57 58. (W) SCALED
DH1319* NAVD 88 - 119.054 (meters) 390.60 (feet) ADJUSTED
DH1319
DH1319 GEOID HEIGHT- -28.72 (meters) GEOID99
DH1319 DYNAMIC HT - 118.926 (meters) 390.18 (feet) COMP
DH1319 MODELED GRAV- 979,561.9 (mgal) NAVD 88
DH1319
DH1319 VERT ORDER - SECOND CLASS 0
DH1319
DH1319.The horizontal coordinates were scaled from a topographic map and have
DH1319.an estimated accuracy of +/- 6 seconds.
DH1319
DH1319.The orthometric height was determined by differential leveling
DH1319.and adjusted by the National Geodetic Survey in June 1991.
DH1319
DH1319.The geoid height was determined by GEOID99.
DH1319
DH1319.The dynamic height is computed by dividing the NAVD 88
DH1319.geopotential number by the normal gravity value computed on the
DH1319.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
DH1319.degrees latitude (g = 980.6199 gals.).
DH1319
DH1319.The modeled gravity was interpolated from observed gravity values.
DH1319
DH1319; North East Units Estimated Accuracy
DH1319;SPC AL W - 407,850. 649,510. MT (+/- 180 meters Scaled)
DH1319
DH1319 SUPERSEDED SURVEY CONTROL
DH1319
DH1319 NGVD 29 - 119.016 (m) 390.47 (f) ADJ UNCH 2 0
DH1319
DH1319.Superseded values are not recommended for survey control.
DH1319.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
DH1319.See file dsdata.txt to determine how the superseded data were derived.
DH1319
DH1319_MARKER: DD = SURVEY DISK
DH1319_SETTING: 36 = PIER
DH1319_STAMPING: 390 ADJ 1903
DH1319_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL
DH1319
DH1319 HISTORY - Date Condition Report By
DH1319 HISTORY - 1903 MONUMENTED USGS
DH1319 HISTORY - 1946 GOOD NGS
DH1319
DH1319 STATION DESCRIPTION
DH1319
DH1319'DESCRIBED BY NATIONAL GEODETIC SURVEY 1946

DH1319'4.1 MI NW FROM CARDIFF.
DH1319'ABOUT 4.1 MILES NORTHWEST ALONG THE CARDIFF-LYNN CROSSING ROAD FROM
DH1319'THE POST OFFICE AT CARDIFF, AT LYNN CROSSING, SET IN THE SOUTH FACE OF
DH1319'THE EAST PIER OF THE LOUISVILLE AND NASHVILLE RAILROAD OVER THE
DH1319'SOUTHERN RAILROAD AND THE GRAVEL ROAD, 15 FEET WEST OF THE CENTER LINE
DH1319'OF THE ROAD, 20 FEET EAST OF THE EAST RAIL OF THE SOUTHERN RAILROAD,
DH1319'AND SET VERTICALLY IN THE SECOND COURSE OF MASONRY, ABOUT 4 FEET ABOVE
DH1319'THE GROUND. NOTE-- MARK MAY BE REACHED FROM THE POST OFFICE AT
DH1319'SUMITON, WALKER COUNTY BY GOING ABOUT 8.2 MILES SOUTHEAST ALONG U. S.
DH1319'HIGHWAY 78, THENCE ABOUT 0.7 MILE SOUTHEAST ALONG A GRAVEL ROAD TO
DH1319'LYNN CROSSING.

*** retrieval complete.
Elapsed Time = 00:00:02